

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for reordering content in a content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising the steps of:

defining the content object with a list of content entity identifiers such that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

2. (original): The method of claim 1, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

3. (original): The method of claim 2, further comprising the step of providing a user interface communicating with the data repository, and providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

4. (currently amended): A method for reordering content in a hierarchically structured content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising the steps of:

defining the content object with an outline of containers and content entity identifiers such that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification

information identifying the content file object containing the content entity associated with that identifier.

5. (original): The method of claim 4, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

6. (original): The method of claim 5, further comprising the step of providing a user interface communicating with the data repository, and providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

7. (original): The method of claim 4, wherein the content object comprises a book, the content entities comprise sections and the containers comprise chapters and books.

8. (currently amended): A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for reordering content in a content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising the steps of:

defining the content object with a list of content entity identifiers such that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one

hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

9. (original): The method of claim 8, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

10. (original): The method of claim 9, further comprising the step of providing a user interface communicating with the data repository, and providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

11. (currently amended): A method for reordering content in a hierarchically structured content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising the steps of:

defining the content object with an outline of containers and content entity identifiers such that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the

content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

12. (original): The method of claim 11, further comprising the step of receiving a user-specification of a content entity to move and target location for the specified content entity.

13. (original): The method of claim 12, further comprising the step of providing a user interface communicating with the data repository, and providing a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

14. (original): The method of claim 11, wherein the content object comprises a book, the content entities comprise sections and the containers comprise chapters and books.

15. (currently amended): A system for reordering content in a content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising:

means for defining the content object with a list of content entity identifiers such that moving a content entity identifier to a new location within the list redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

16. (original): The system of claim 15, further comprising means for receiving a user-specification of a content entity to move and target location for the specified content entity.

17. (original): The system of claim 16, further comprising a user interface communicating with the data repository, and a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

18. (currently amended): A system for reordering content in a hierarchically structured content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising:

means for defining the content object with an outline of containers and content entity identifiers such that moving a container or content entity identifier to a new location within the outline redefines the order of the object's content entities,

wherein the hierarchically related content entities further comprise a parent container type and a child container type, wherein parent containers can contain child containers, and child containers can contain content entities;

wherein for the content object, storing as a file object within the data repository, the outline of containers and content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

19. (original): The system of claim 18, further comprising means for receiving a user-specification of a content entity to move and target location for the specified content entity.

20. (original): The system of claim 19, further comprising a user interface communicating with the data repository, and a mechanism for enabling a user to select a content entity to move and specify the target location in the content object through the user interface.

21. (original): The system of claim 18, wherein the content object comprises a book, the content entities comprise sections and the containers comprise chapters and books.

22. (previously presented): The method of claim 1, further comprising calculating a cost for the content object according to costs of the content entities.

23. (previously presented): The method of claim 4, further comprising calculating a cost for the content object according to costs of the content entities.

24. (previously presented): The method of claim 8, further comprising calculating a cost for the content object according to costs of the content entities.

25. (previously presented): The method of claim 11, further comprising calculating a cost for the content object according to costs of the content entities.

26. (previously presented): The system of claim 15, further comprising means for calculating a cost for the content object according to costs of the content entities.

27. (previously presented): The system of claim 18, further comprising means for calculating a cost for the content object according to costs of the content entities.

28. (previously presented): The method of claim 1, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where `parentcontainerref` is a reference to a parent container, `childcontainerref` is a reference to a child container and `contententityref` is a reference to a content entity, thereby indicating the hierarchical level of the entity.

29. (previously presented): The method of claim 28, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

30. (previously presented): The method of claim 4, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where `parentcontainerref` is a reference to a parent container, `childcontainerref` is a reference to a child container and `contententityref` is a reference to a content entity, thereby indicating the hierarchical level of the entity.

31. (previously presented): The method of claim 30, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

32. (previously presented): The method of claim 8, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where `parentcontainerref` is a reference to a parent container, `childcontainerref` is a reference to a child container and `contententityref` is a reference to a content entity, thereby indicating the hierarchical level of the entity.

33. (previously presented): The method of claim 32, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

34. (previously presented): The method of claim 11, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where `parentcontainerref` is a reference to a parent container, `childcontainerref` is a reference to a child container and `contententityref` is a reference to a content entity, thereby indicating the hierarchical level of the entity.

35. (previously presented): The method of claim 34, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

36. (previously presented): The system to claim 15, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where `parentcontainerref` is a reference to a parent container, `childcontainerref` is a reference to a child container and `contententityref` is a reference to a content entity, thereby indicating the hierarchical level of the entity.

37. (previously presented): The system of claim 36, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

38. (previously presented): The system of claim 18, wherein each content entity has an identifier with a format of `parentcontainerref.childcontainerref.contententityref`, where

parentcontainerref is a reference to a parent container, childcontainerref is a reference to a child container and contententityref is a reference to a content entity, thereby indicating the hierarchical level of the entity.

39. (previously presented): The system of claim 38, wherein the parent container type is a book, the child container type is a chapter, and the content entity is a section.

40. (currently amended): A method for reordering content in a content object stored as a plurality of hierarchically related content entities in a data repository, each content entity having an identifier, comprising:

defining the content object with a first list of content entity identifiers such that moving a content entity identifier from the first list of content entity identifiers to a new location within the first list of content entity identifiers redefines the order of the object's content entities,

wherein moving a content entity identifier in the first list to a new location comprises:

selecting the content entity identifier from the first list of content entity identifiers to be moved; and

specifying a location from a second list of content entity identifiers where the content entity identifier from the first list of content entity identifiers is to be moved;

wherein the specified location comprises at least one of a current content entity identifier or a newly created content entity identifier;

wherein for the content object, storing as a file object within the data repository, the first list of content entity identifiers indicating the content entities within the content object, wherein a hierarchical arrangement of the content entity identifiers within the first list includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

41. (previously presented): A method for reordering content in a content object according to claim 40, wherein the specified location from the second list of content entity identifiers is selected via a drop down box.

42. (currently amended): A method for reordering content in a customized electronic book stored as a plurality of hierarchically related content entities in a computer database, each content entity having an identifier, comprising:

defining the customized book with a first outline of content entity identifiers such that moving a content entity identifier from the first outline to a new location within the first outline of content entity identifiers redefines the order of the content entities within the customized book,

wherein moving a content entity identifier from the first outline to a new location comprises:

selecting a content entity identifier from the first outline to be moved; and

specifying a location from a second outline of content entity identifiers where the content entity identifier of the first outline is to be moved;

wherein the specified location comprises at least one of a current content entity identifier or a newly created content entity identifier;

wherein for the content object, storing as a file object within the data repository, the first outline of content entity identifiers indicating the content entities within the content object,

wherein a hierarchical arrangement of the content entity identifiers within the first outline includes at least one hierarchical tier and at least one subordinate tier and corresponds to a user-defined content object hierarchical structure, and

storing the content entities within the data repository as a plurality of file objects, each containing a content entity, wherein the content entity identifiers each include identification information identifying the content file object containing the content entity associated with that identifier.

43. (previously presented): A method for reordering content in a customized electronic book according to claim 42, wherein the specified location from the second outline of content entity identifiers is selected via a drop down box.